

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (ORIGINAL) Method for determination of characteristics and/or classification of circulating macrophages and/or peripheral mononuclear blood cells comprising the steps of:
 - taking whole blood and gradient centrifugation for isolating macrophages, perforation and said macrophage cells,
 - intracellular staining of said cells with at least one selected antibody and
 - flow cytometric analysis of said pre-treated cells comprising subsequent statistical evaluation of a plurality of cells.
2. (CURRENTLY AMENDED) Method of claim 1, ~~characterized by~~ wherein the use of prostate-specific antigen (PSA), cytokeratin and/or epithelial membrane antigen as said selected antibody/ies.
3. (CURRENTLY AMENDED) Method of claim 1 or 2, ~~characterized by~~ wherein histogram analysis of the isotype control and staining after carrying out flow cytometry.
4. (CURRENTLY AMENDED) Method of ~~any of the preceding claims~~ claim 1 for detecting parts of tissue cells taken up by phagocytosis of a scattered prostate tumor outside the human body.
5. (CURRENTLY AMENDED) Method of claim 4, ~~characterized in that~~ wherein it is determined by said staining of PSA in said macrophages, whether said material taken up by phagocytosis is prostate relevant.
6. (CURRENTLY AMENDED) Analysis arrangement of carrying out said method of ~~any of the preceding claims~~, claim 1 comprising means for heparinizing drained blood, a gradient centrifuge for isolating macrophages, means for cell perforation, a device for intracellular

staining of said pretreated cells with fluorochrome antibodies and a flow cytometer comprising a computer supported evaluation unit for determining the intracellular structure of the isolated and pretreated cell for the purpose of early diagnostic of tumors.